



**CITY OF LODI
COUNCIL COMMUNICATION**

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AGENDA ITEM **E-7**

AGENDA TITLE: Adopt Resolution Authorizing Purchase of Ultraviolet (UV) Light Disinfection Lamps for White Slough Water Pollution Control Facility from Coombs-Hopkins/DC Frost, of Walnut Creek (\$175,000)

MEETING DATE: August 5, 2009

PREPARED BY: Public Works Director

RECOMMENDED ACTION: Adopt a resolution authorizing the purchase of ultraviolet (UV) light disinfection lamps for the White Slough Water Pollution Control Facility (WSWPCF) from Coombs-Hopkins/DC Frost, of Walnut Creek, in the amount of \$175,000.

BACKGROUND INFORMATION: UV lamps are the most important fixtures in the disinfection system at WSWPCF. The City no longer uses chlorine compounds to treat wastewater, thereby avoiding the risks associated with chlorine handling and eliminating disinfection byproducts that have been determined to be harmful to the environment.


The disinfection system became operational in 2005. Since then, staff has reduced costs by replacing the UV lamps only when they reach the manufacturer's recommended maximum 12,000-hour lamp life. The new 2007 Waste Discharge Permit requires treatment to Title 22 requirements and the California Department of Health Services has determined that to meet these requirements, the maximum lamp life must be held to no more than 9,000 hours. To assure continual compliance with the Discharge Permit, the City needs to install 1,100 new UV lamps in six of 10 banks of the disinfection system. The lamps being replaced have reached or exceeded their useful life.

The lamps will be supplied by Coombs-Hopkins/DC Frost, the representative for Trojan Technologies, Inc., the sole supplier of replacement parts for the system. The lamps will be installed by City staff.

FISCAL IMPACT: The cost to replace the lamps is \$175,000. Failure to install the lamps would subject the City to State fines. The anticipated annual cost to maintain the lamps within maximum operating hours is estimated at \$150,000.

FUNDING AVAILABLE: White Slough Water Pollution Control Facility Operating fund (170403)


Jordan Ayers
Deputy City Manager/Internal Services Director

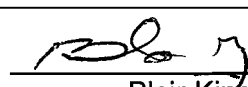

F. Wally Sandelin
Public Works Director

Prepared by Del Kerlin, Wastewater Treatment Superintendent
FWS/CS/dk

cc: D. Stephen Schwabauer, City Attorney
Del Kerlin, Wastewater Treatment Superintendent

Charles E. Swimley, Jr., Water Services Manager

APPROVED:


Blair King, City Manager

RESOLUTION NO. 2009-101

A RESOLUTION OF THE LODI CITY COUNCIL
AUTHORIZING PURCHASE OF ULTRAVIOLET LIGHT
DISINFECTION LAMPS FOR THE WHITE SLOUGH
WATER POLLUTION CONTROL FACILITY

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WHEREAS, ultraviolet (UV) light disinfection lamps are the most important fixtures in the disinfection system at the White Slough Water Pollution Control Facility; and

WHEREAS, to remain in compliance with the White Slough Water Pollution Control Facility discharge permit, the City needs to install 1,100 new UV lamps in six of ten banks of the disinfection system. The lamps will be supplied by Coombs-Hopkins/DC Frost, the representative for Trojan Technologies, Inc., which is the sole supplier of replacement parts for the UV system. City staff will install the lamps.

NOW, THEREFORE, BE IT RESOLVED that the Lodi City Council does hereby authorize the purchase of UV light disinfection lamps for the White Slough Water Pollution Control Facility from Coombs-Hopkins/DC Frost, of Walnut Creek, California, in the amount of \$175,000.

Dated: August 5, 2009

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I hereby certify that Resolution No. 2009-101 was passed and adopted by the City Council of the City of Lodi in a regular meeting held August 5, 2009, by the following vote:

AYES: COUNCIL MEMBERS – Hitchcock, Johnson, Katzakian, Mounce,
and Mayor Hansen

NOES: COUNCIL MEMBERS – None

ABSENT: COUNCIL MEMBERS – None

ABSTAIN: COUNCIL MEMBERS – None


RANDI JOHL
City Clerk